

**Fig. 1.**

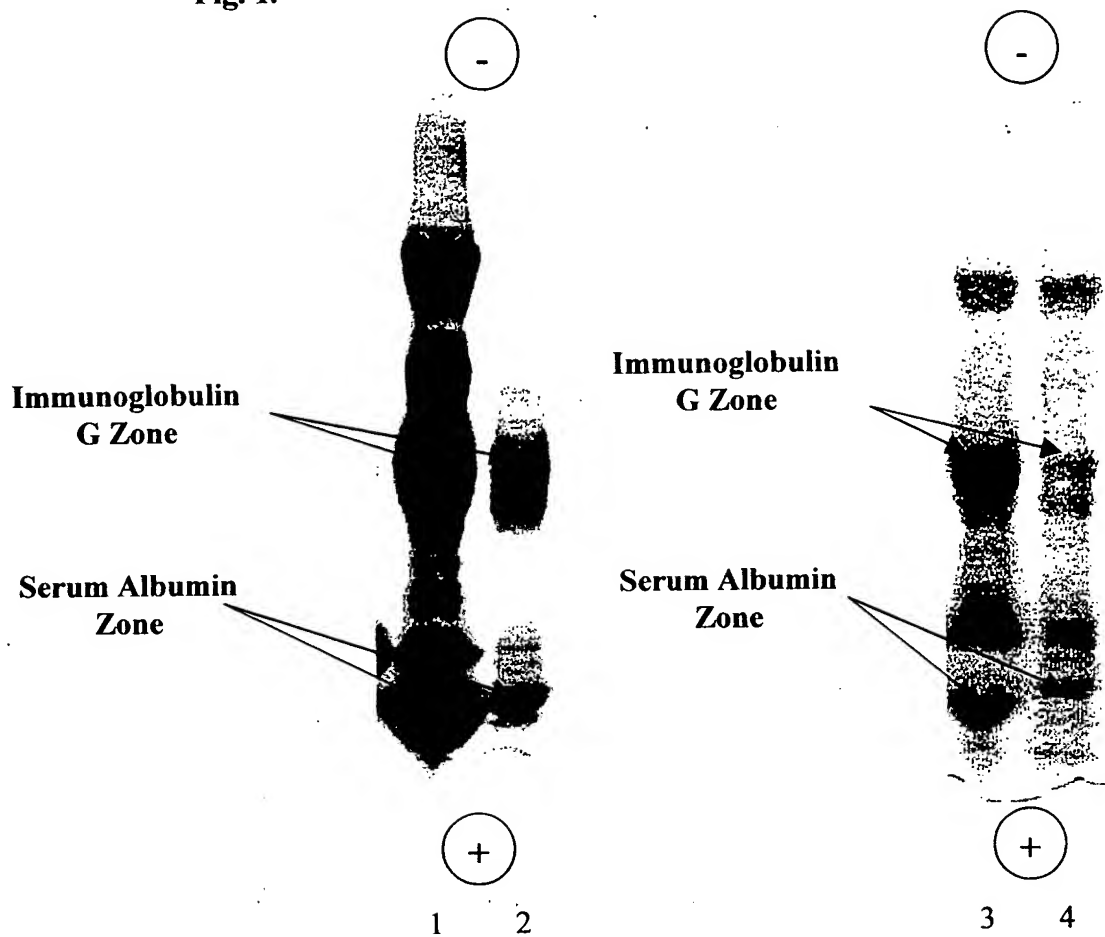


Fig. 2

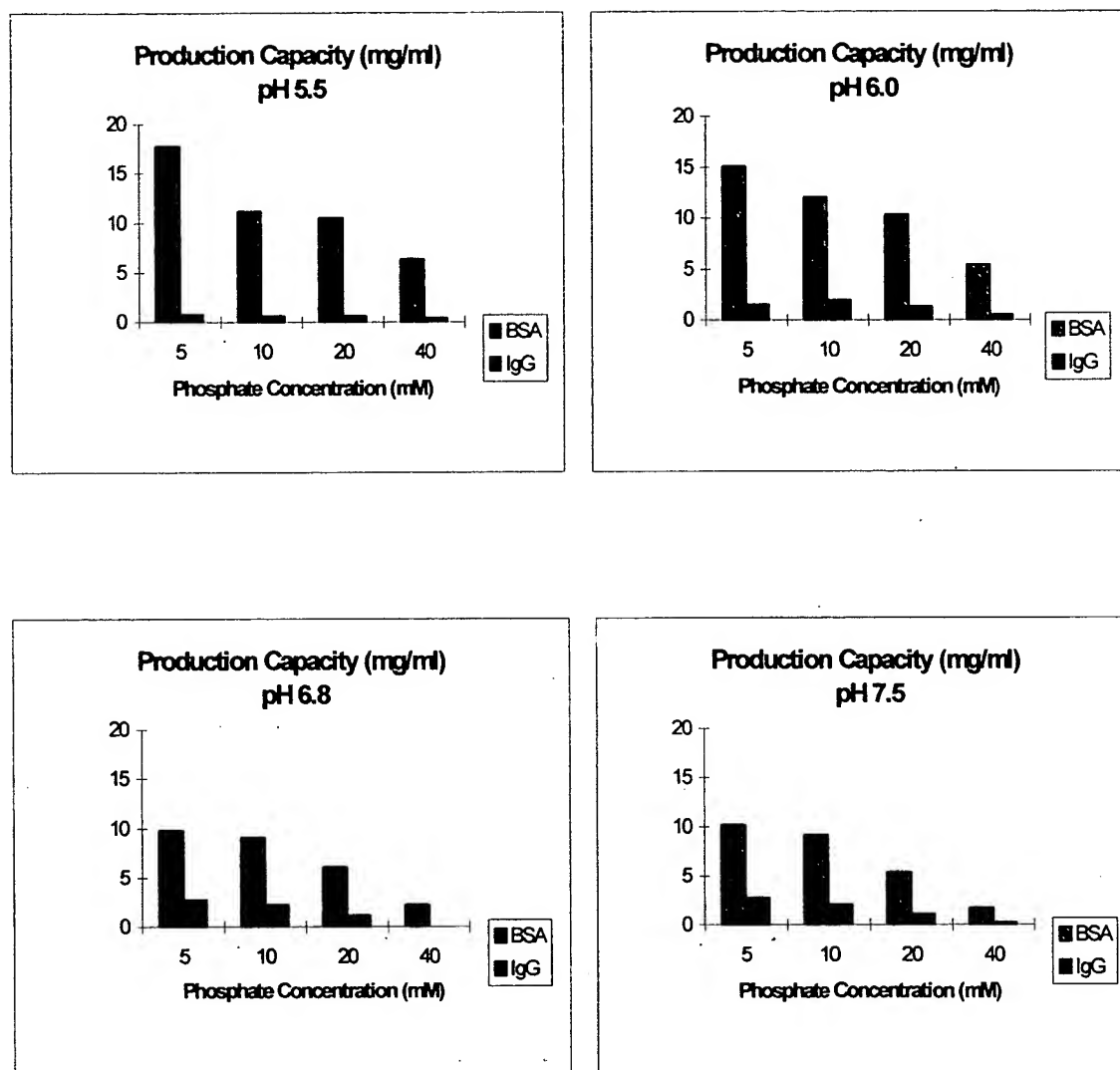


Fig. 3.

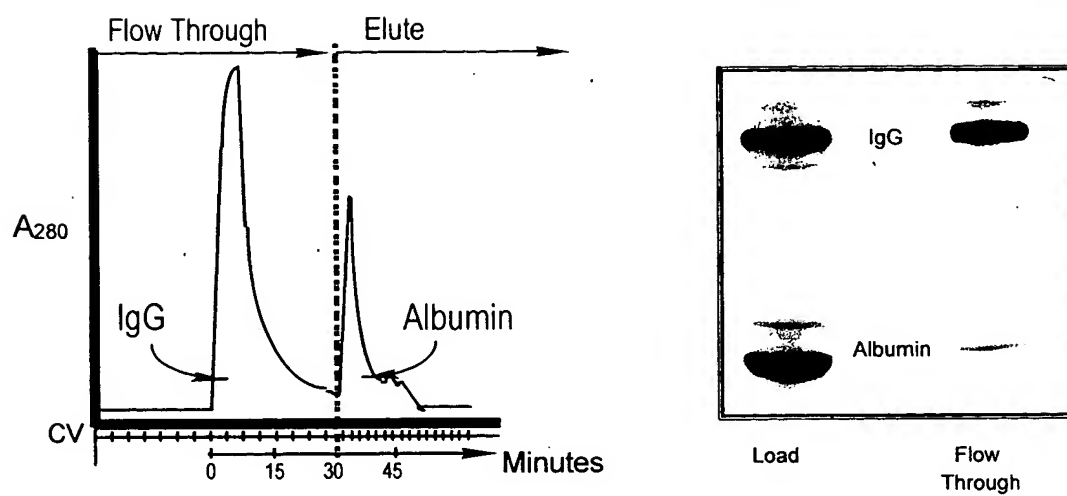
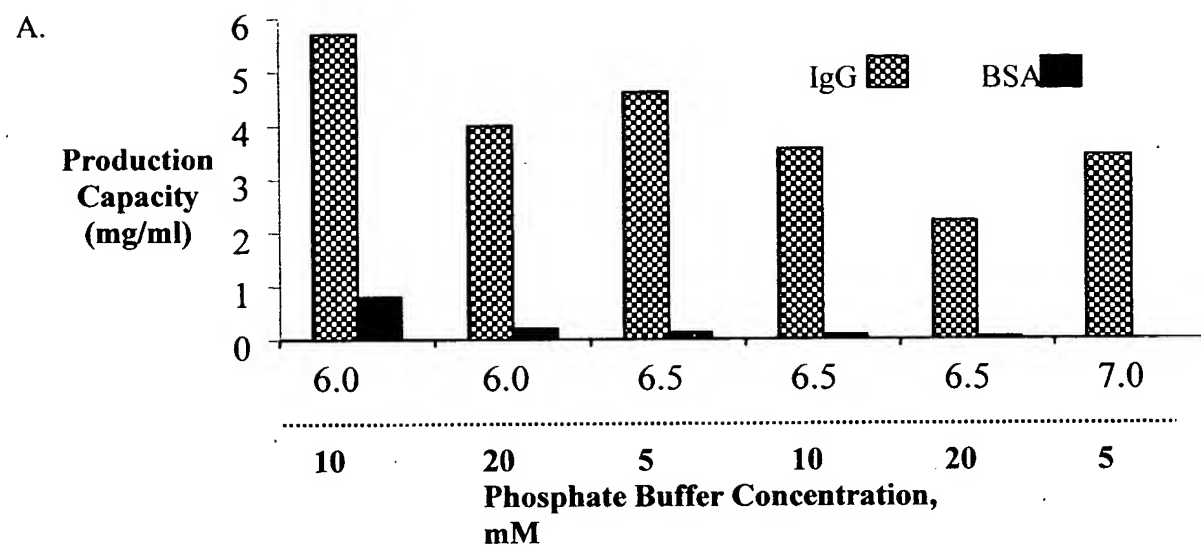
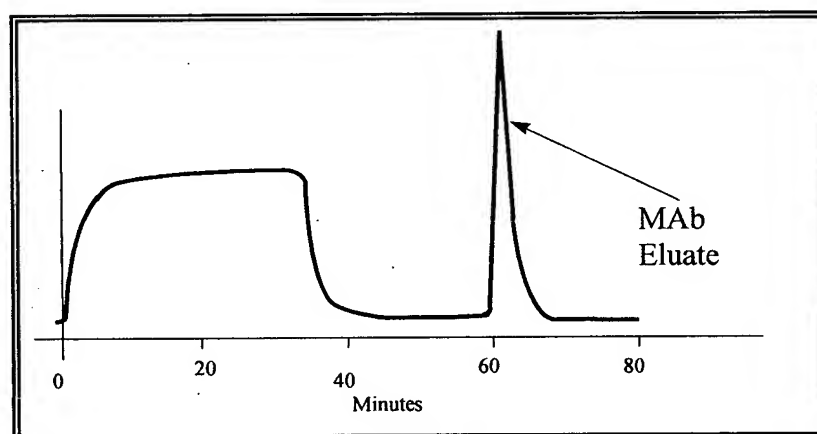


Fig. 4.



B.



C.

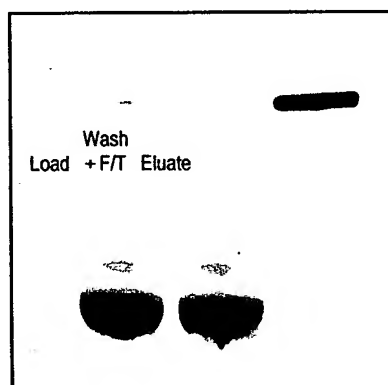


Fig. 5.

	pH 5	pH 6	pH 7
<b>Bovine Serum Albumin</b>	227	115	80
<b>Glycated Bovine Serum Albumin</b>	192	62	47
<b>Rabbit Serum Albumin</b>	233	165	62

Fig. 6.

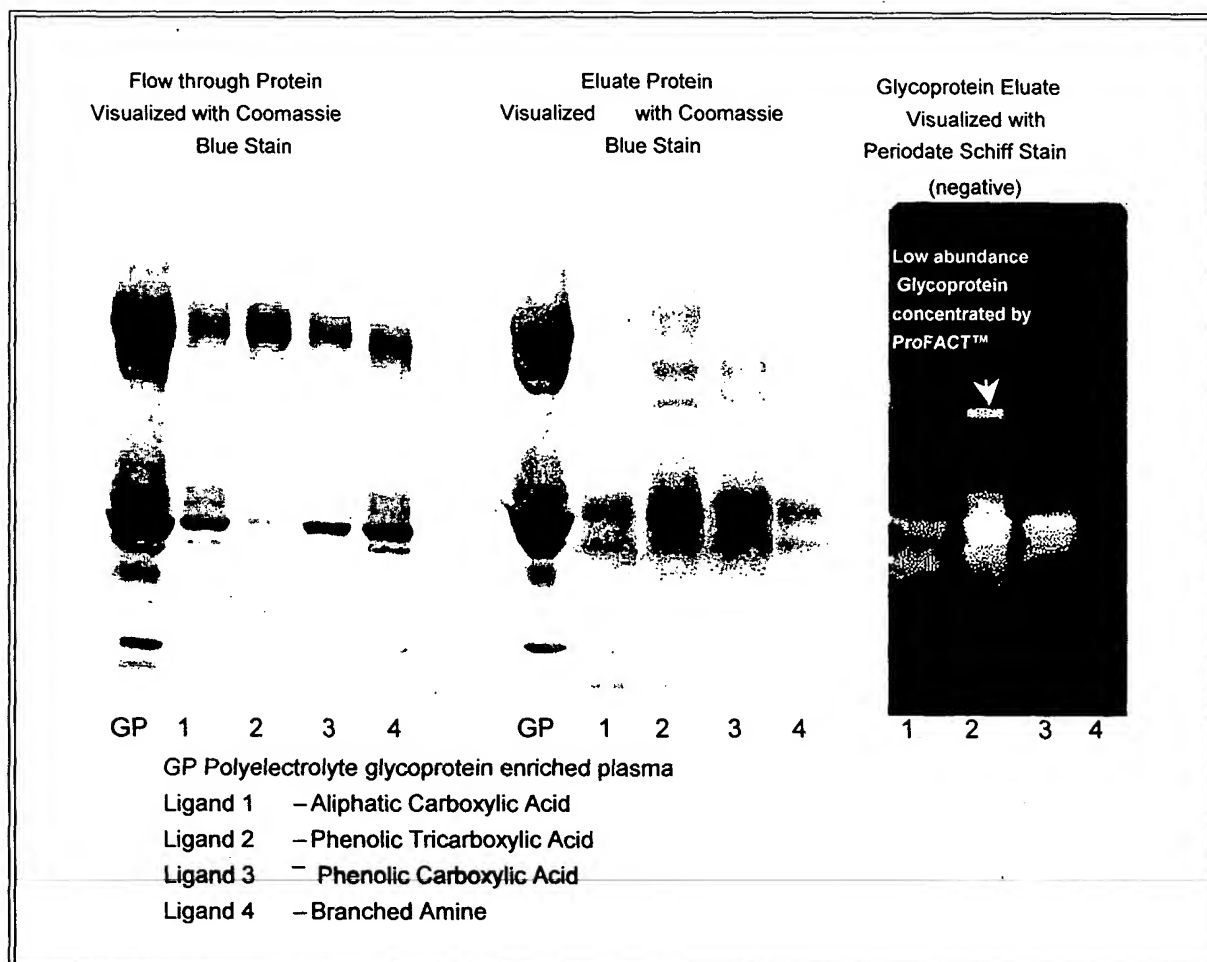
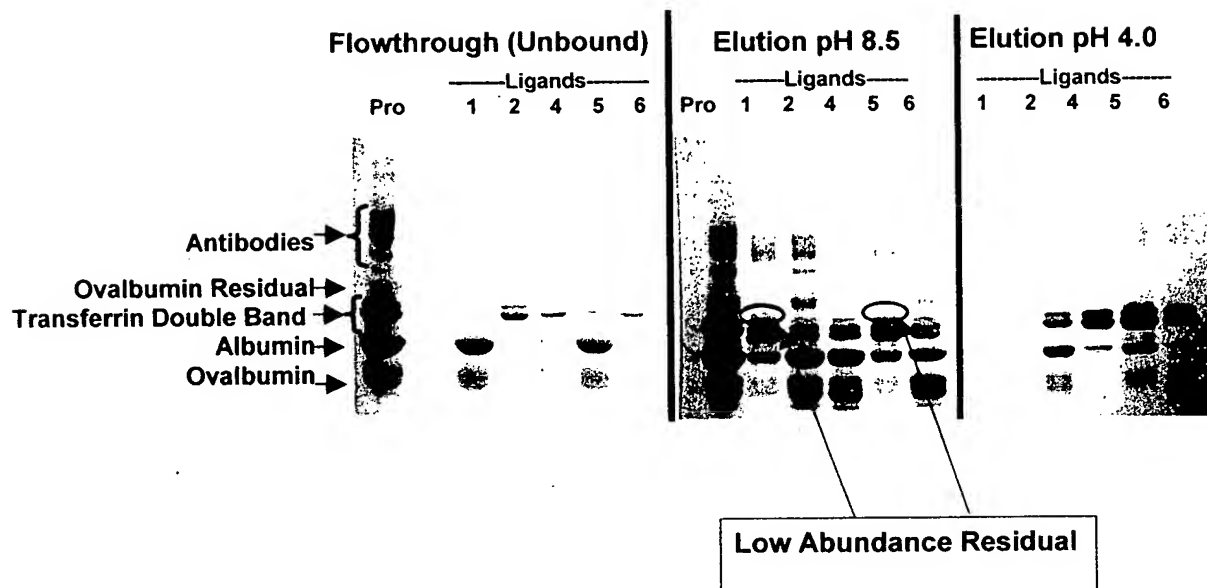


Fig. 7.

**A.**



**B**

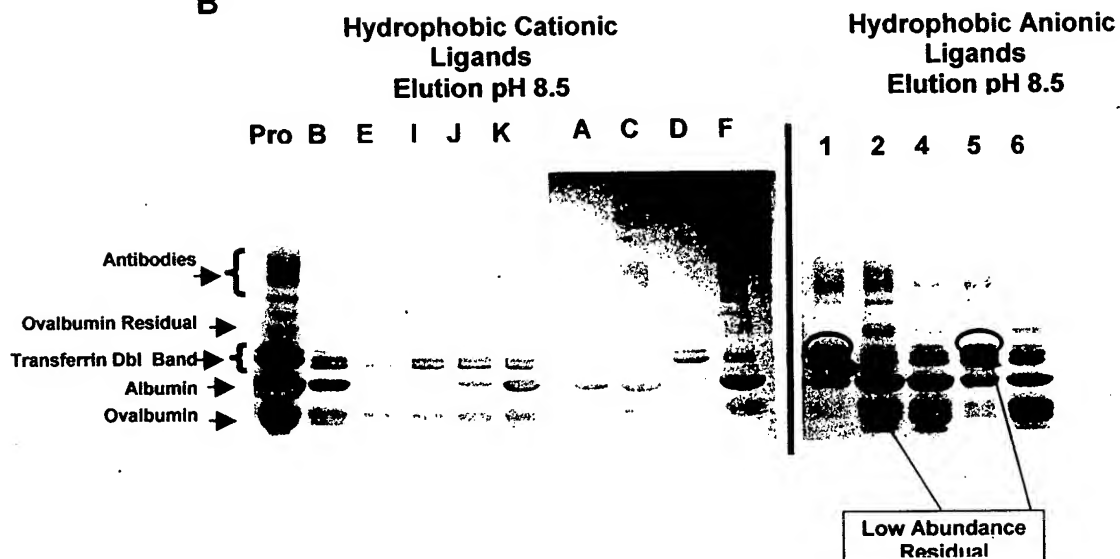
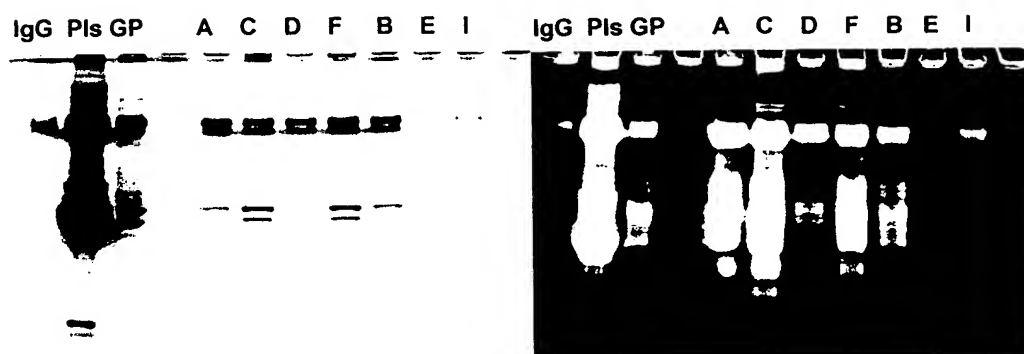


Fig. 8.

A

Elutions of Samples from Ligands A thru I pH 8.5



B.

Elutions of Samples from Ligands 1,2,4,5,6 pH 8.5

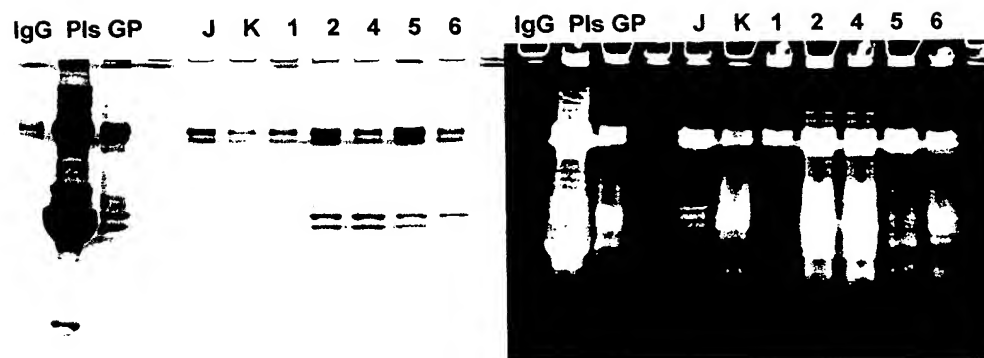


Fig. 9.

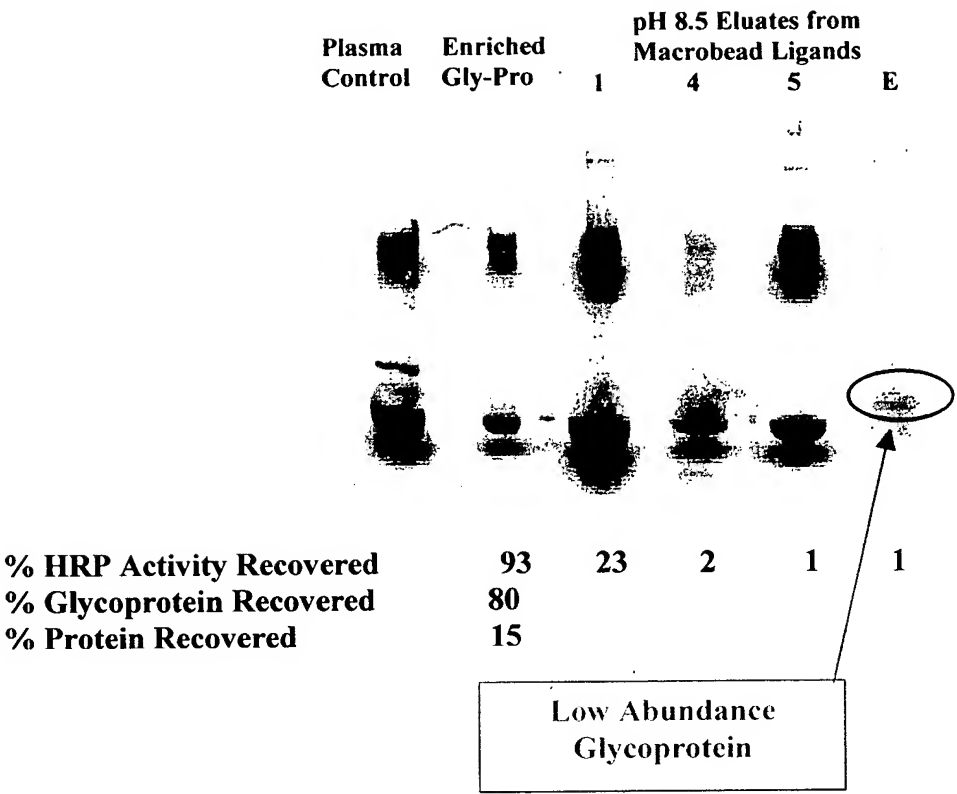
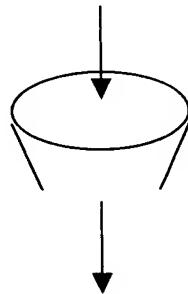




Fig. 10.

## GLYCO-PROTEOMIC SYSTEM SCHEMATIC

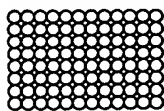
**Serum or Tissue Homogenates are tested and analyzed comparing non-cancerous patient samples to cancerous samples**



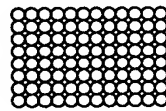
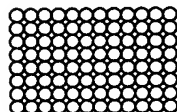
Samples are enriched for glycoproteins using acidic polyelectrolyte hydrogel technology.

Glycoproteins along with residual non-glycosylated proteins are applied to the modified beads in 96 well plates.

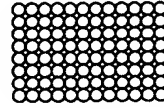
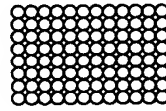
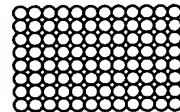
pH



Increasing salt



or sugar concentration



**Modified beads with weak affinity for glycoproteins and conventional lectin affinity ligands are put into each well. Proteins are resolved across a range of pH, ionic and sugar strengths.**